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(11) EP 0 639 901 A3

(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
18.11.1998 Bulletin 1998/47

(51) Int Cl.⁶: H04B 17/00, H04B 7/005,
H03G 7/00

(43) Date of publication A2:
22.02.1995 Bulletin 1995/08

(21) Application number: 94306095.4

(22) Date of filing: 18.08.1994

(84) Designated Contracting States:
DE FR GB IT

(30) Priority: 20.08.1993 JP 206365/93
10.11.1993 JP 281202/93

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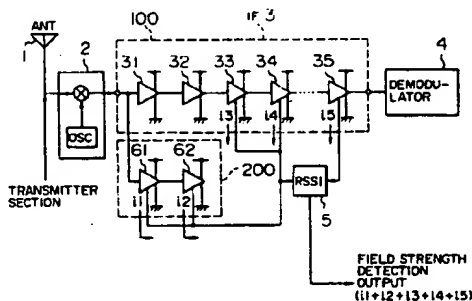
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(54) Radio communication apparatus with circuit for field strength determination

(57) Part of a first signal path (100) for amplifying a signal includes circuits (33b, 34b) for detecting a signal, and a second signal path (200) connected to an input portion of the first signal path includes circuits (61b, 62b) for detecting the signal. A signal strength detector circuit (5) adds outputs from the respective detector circuits in the first and second signal paths. The first signal path has a function of expanding the dynamic range in a

smaller signal region as compared with the second signal path, while the second signal path has a function of expanding the dynamic range in a larger signal region as compared with the first signal path. When a radio transmitted output is variably controlled in a radio transmitter section (TX) based on a field strength detection output for a received signal, the transmitted output is optimized, resulting in minimizing consumed power and unnecessary radiation of radio waves.

FIG. 3



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EUROPEAN SEARCH REPORT

Application Number
EP 94 30 6095

DOCUMENTS CONSIDERED TO BE RELEVANT			
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X	EP 0 343 569 A (NOKIA MOBIRA OY) 29 November 1989	1,2,8, 12,13	H04B17/00 H04B7/005 H03G7/00
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A	---	3,5,11, 16	
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A	* column 5, line 20 - line 44 *	17	
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 9 September 1998	Examiner Harris, E
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background D : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1903 02.82 (P04C01)

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EUROPEAN SEARCH REPORT

Application Number
EP 94 30 6095

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The present search report has been drawn up for all claims			
Place of search: THE HAGUE		Date of completion of the search 9 September 1998	Examiner Harris, E
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background C : non-written disclosure P : intermediate document</p>		<p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>-----</p> <p>& : member of the same patent family, corresponding document</p>	

EPO FORM 1003 (03.92) (P/C/G/01)